

FIG. 2

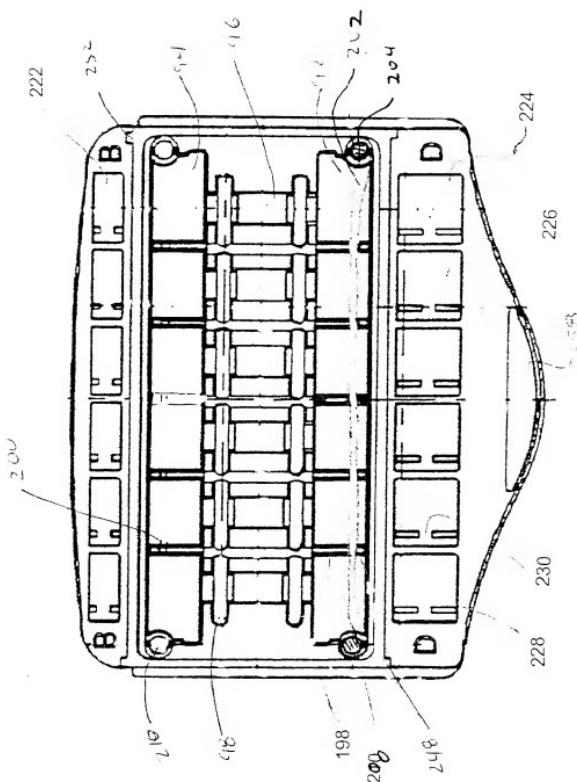


FIG. 3

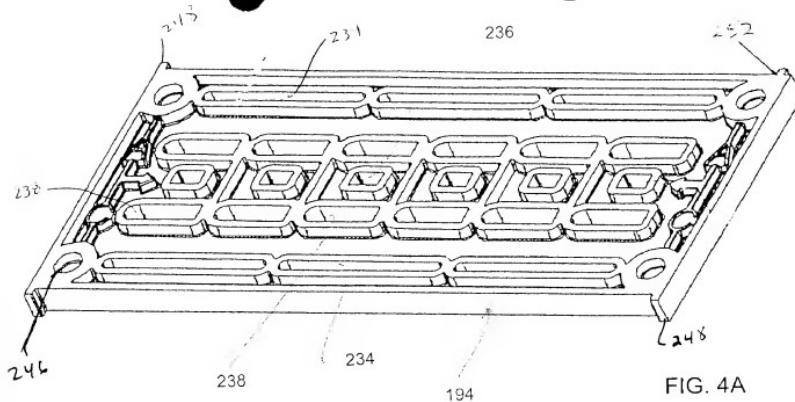


FIG. 4A

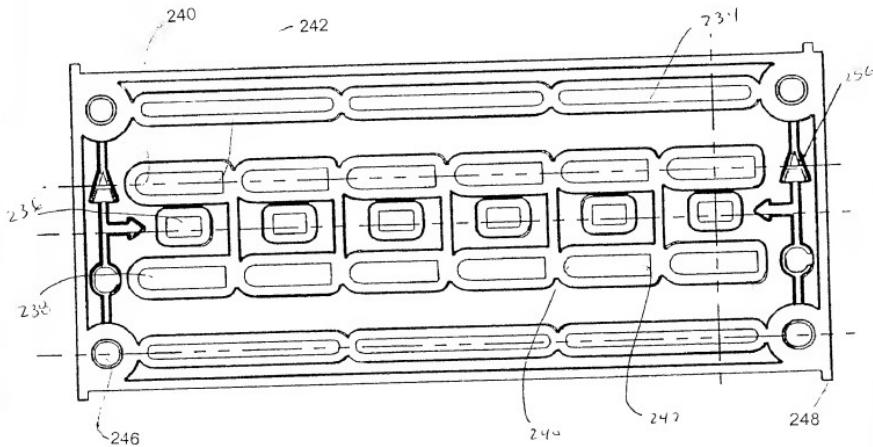


FIG. 4B

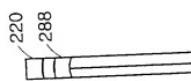
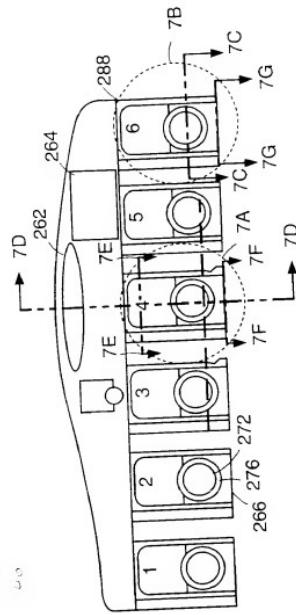
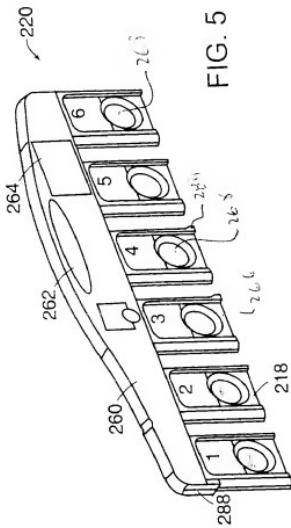




FIG. 7C

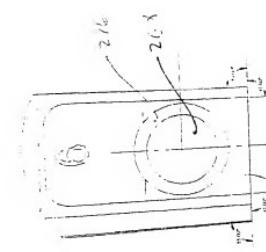


FIG. 7A

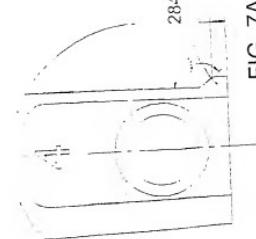


FIG. 7E

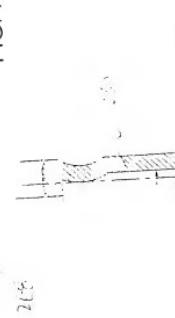


FIG. 7B

276

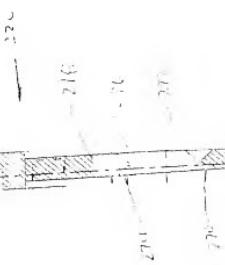


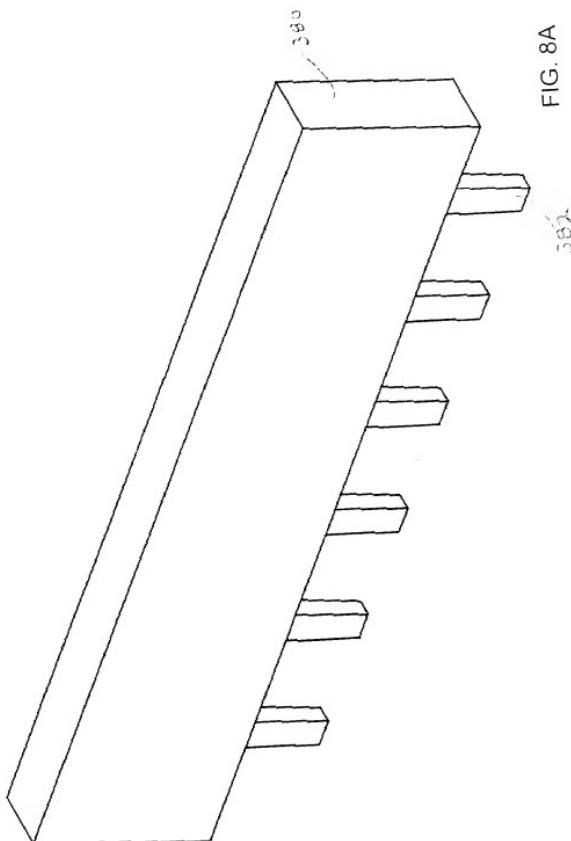
FIG. 7D



FIG. 7F



FIG. 7G



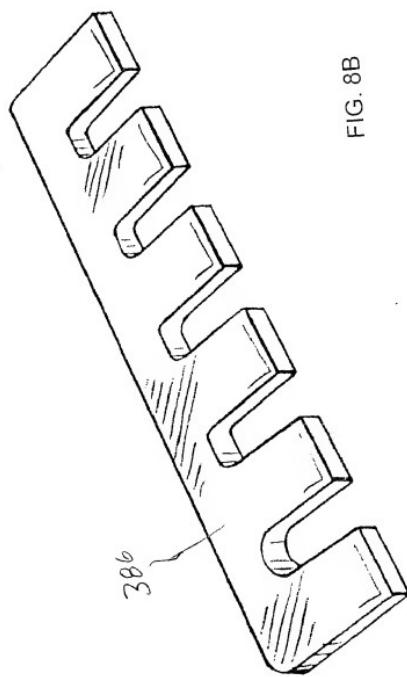


FIG. 8B

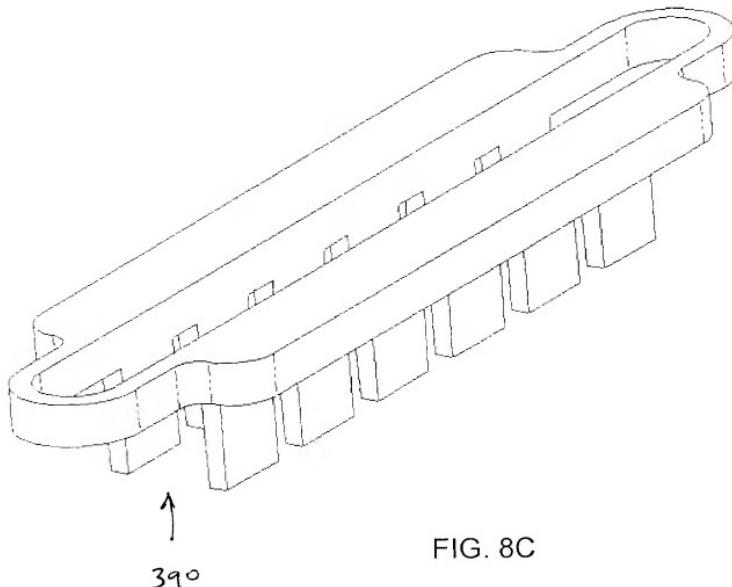


FIG. 8C

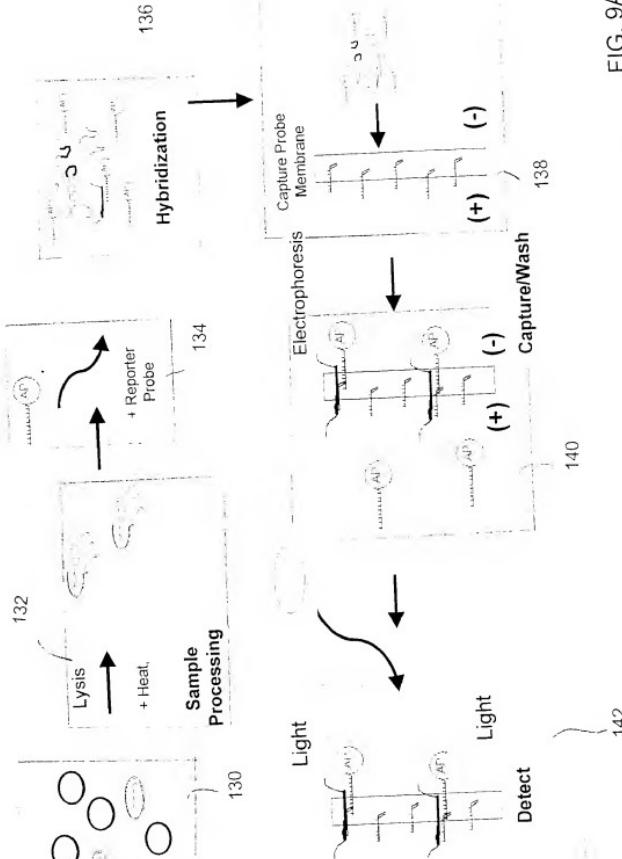


FIG. 9A

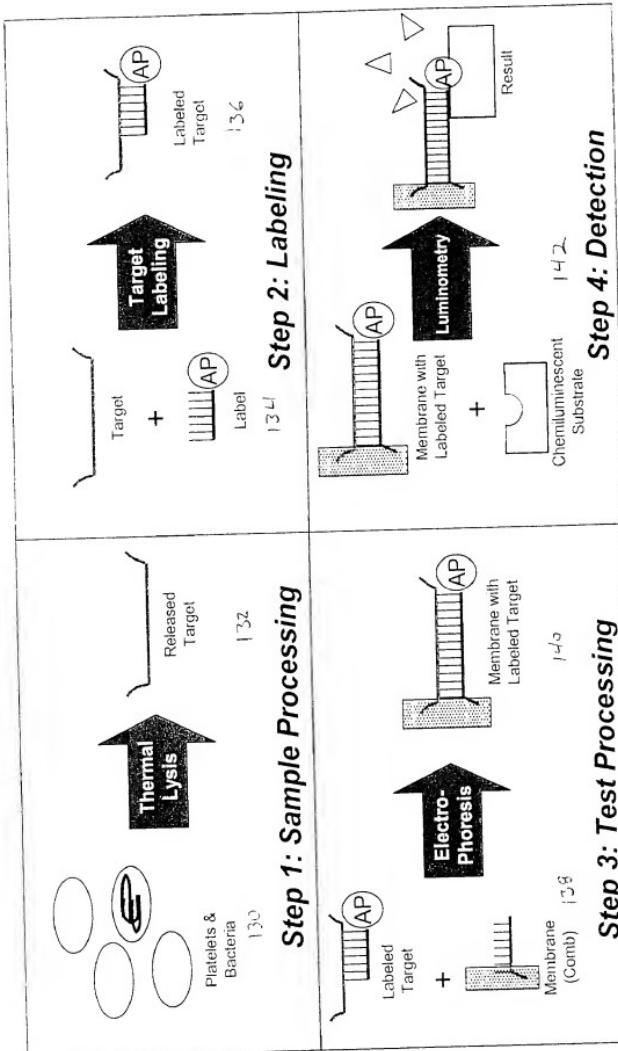


FIG. 9B

Staphylococcus species (* all unfinished)

staph_epi	:	CATGTCAGGGCTCTGACGGAAAGCAGCA	*	180	*	200
Staph_prob	:	CATGTCAGGTCTCTGACGGAAAGCAGC	- - - - -	26	:	
saureus_co	:	CATGTCAGGTCTCTGACGGAAAGCAGC	- - - - -	200	:	
catgaaaccATGTCAGGTCTCTGACGGAAAGCAGCattaaagtggatc tcata						

Streptococcus species (* all unfinished)

Streppyg_	:	CTTGTCAGGGAGGAATCCAGCAGCC	*	200	*	220
Strepnpeum :	GTC	GGGTCAGGGGAGGAATCCAGCAGCC	- - - - -	92	:	
Strep_targ :	- - - - -	ATGGGTCAAGGGAGGAATCCAGCAGC	- - - - -	26	:	
Strep_Equi :	CTT	GGGTCAAGGGAGGAATCCAGCAGCC	- - - - -	135	:	
streptutan :	GCT	GGGTCAAGGGAGGAATCCAGCAGCC	- - - - -	221	:	
t tgcgtgaag GGGTCAGGGAGGAATCCAGCAGCC taaggcg						

Enterobacteriaceae, Pseudomonas aeruginosa, Bacillus cereus

* klebsneum :	CGGAACTTTC	CTTCTTCTTCTTCTTCTTCTTCTTCTT	*	140	*	160
* stypinimurW :	TGCTTCTTCTTCTTCTTCTTCTTCTT	CTTCTTCTTCTTCTTCTTCTTCTTCTT	- - - - -	115	:	
ecoli_comp :	GGCTTCTTCTTCTTCTTCTTCTTCTT	CTTCTTCTTCTTCTTCTTCTTCTTCTT	- - - - -	84	:	
Ecoli_prob :	- - - - -	CTTCTTCTTCTTCTTCTTCTTCTTCTT	- - - - -	84	:	
pseudaerug :	CGGAACTTACTACCGCTTCTTCTTCTT	CTTCTTCTTCTTCTTCTTCTTCTTCTT	- - - - -	26	:	
Bacillus_c :	CGGAACTTACTACCGCTTCTTCTTCTT	CTTCTTCTTCTTCTTCTTCTTCTTCTT	- - - - -	84	:	
cgcaacg c gt acc ggTCAGGTCTCTGAAAGGAAGCAGC a gct g ggt						

*unfinished sequence from genome centers

FIG. 9C

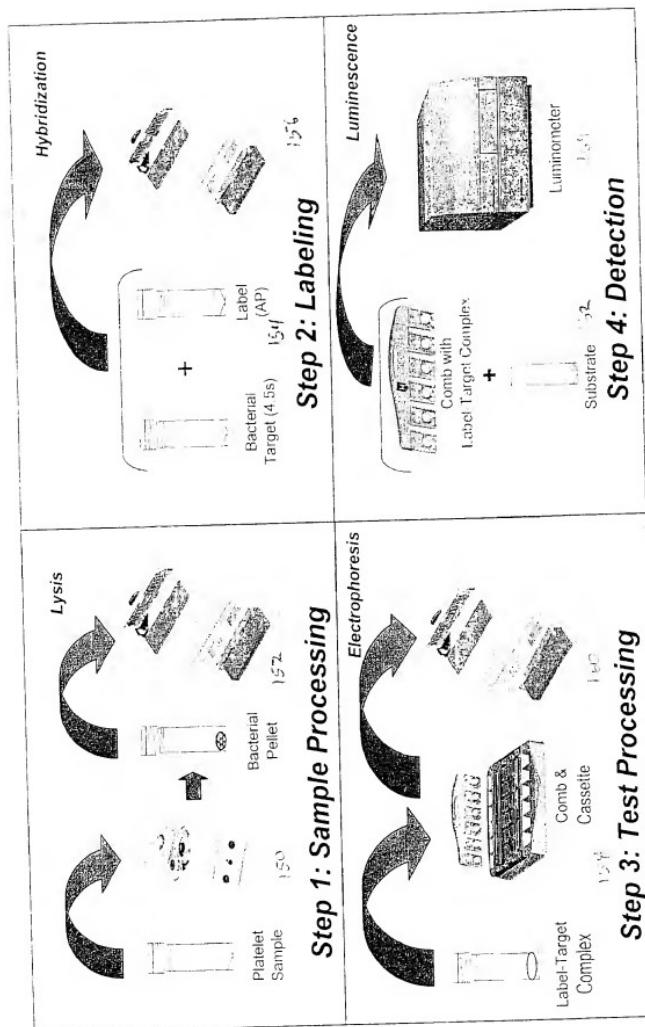
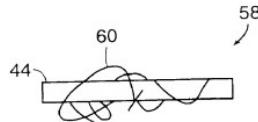
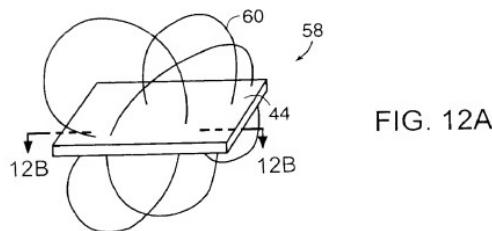
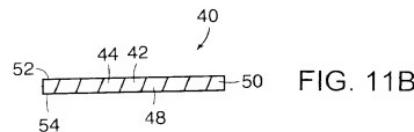
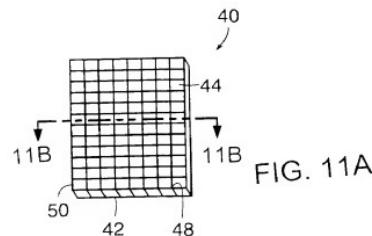


FIG. 10



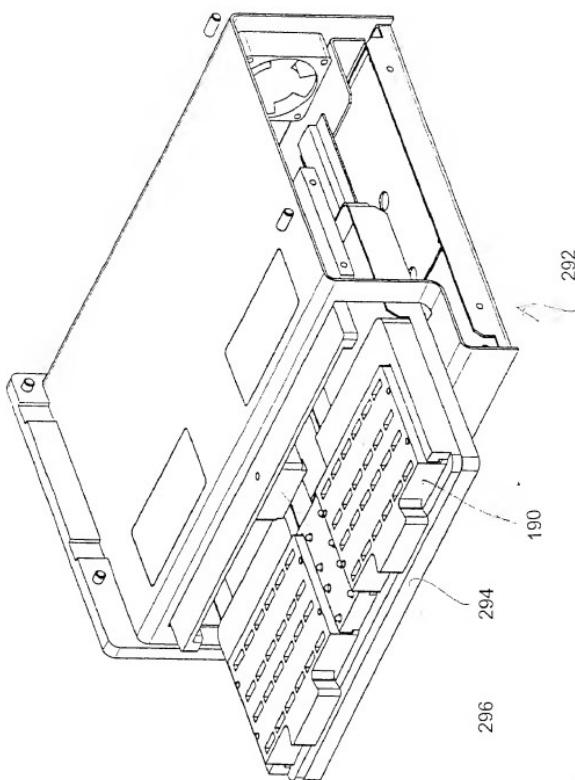
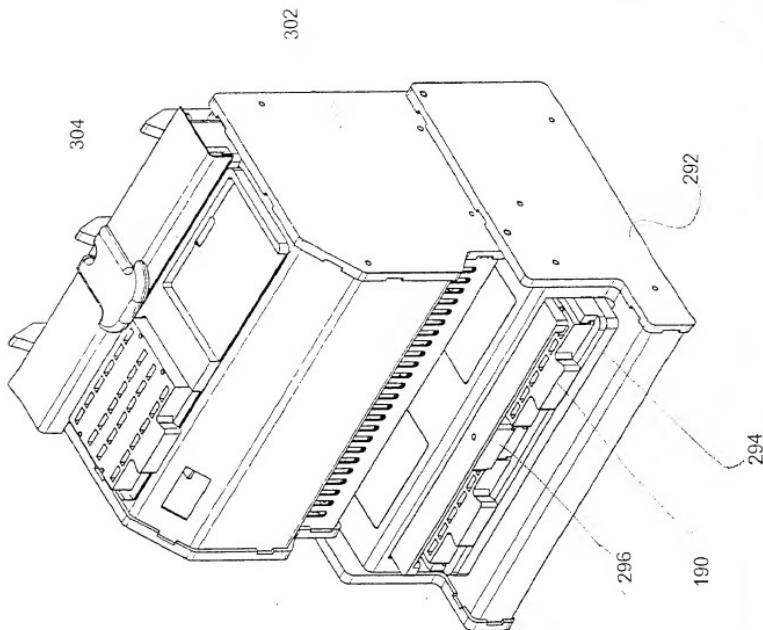


FIG. 13

FIG. 14



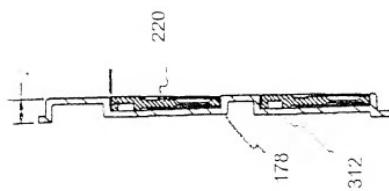


FIG. 15B

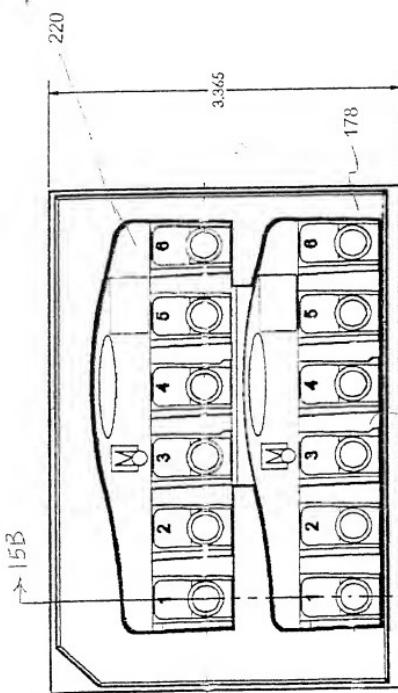


FIG. 15A

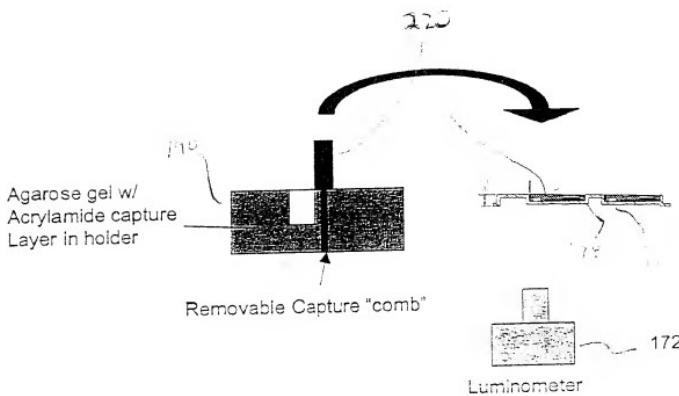


FIG. 16

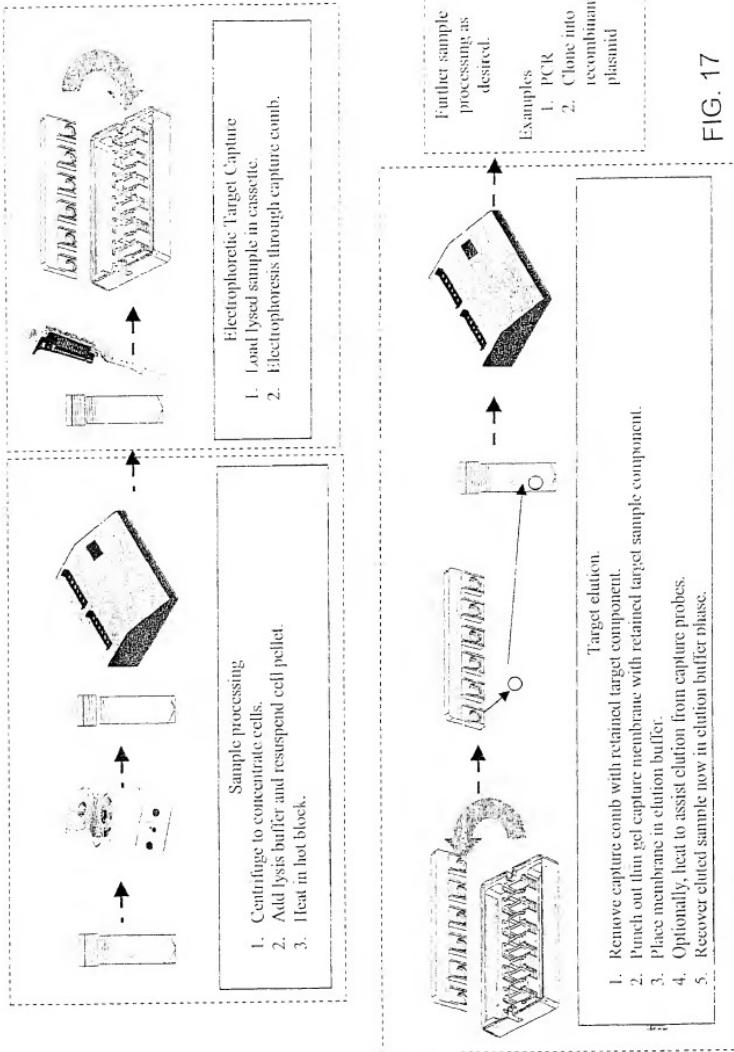


FIG. 17

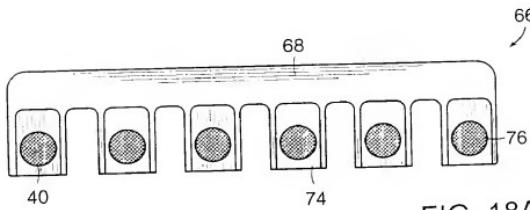


FIG. 18A

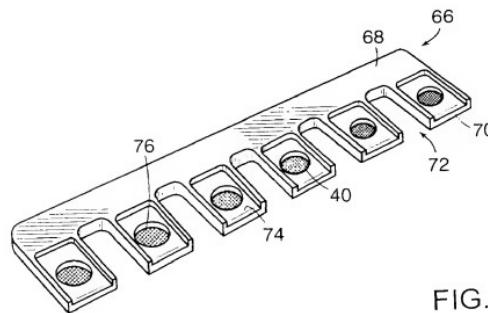
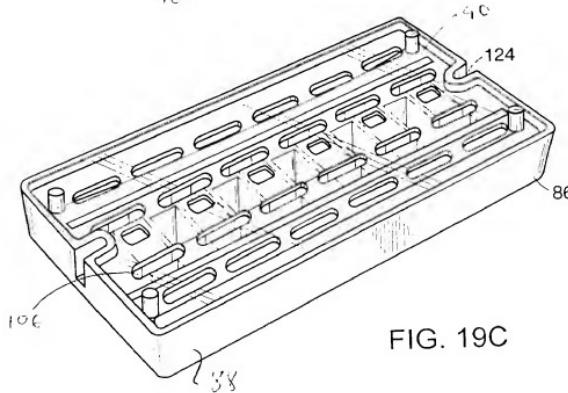
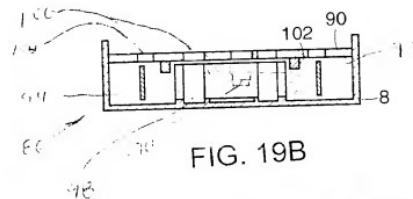
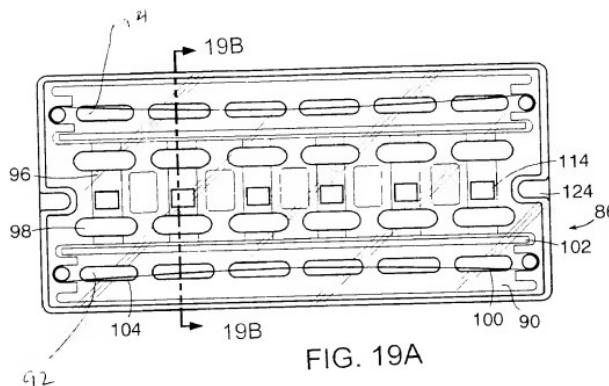


FIG. 18B



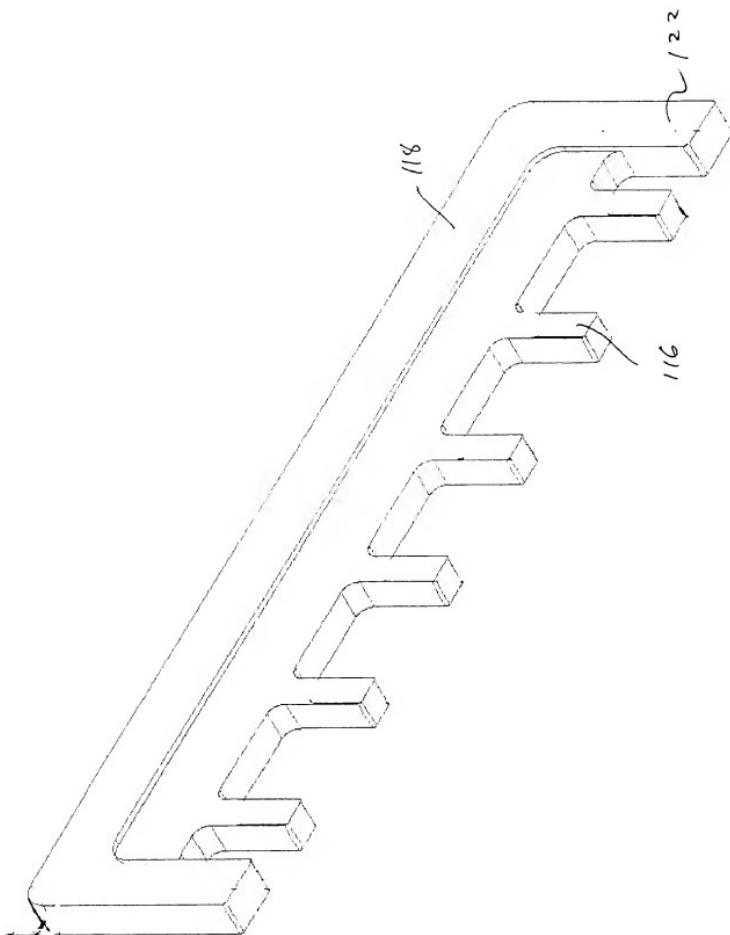
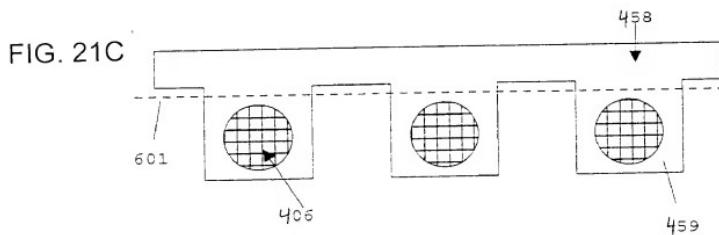
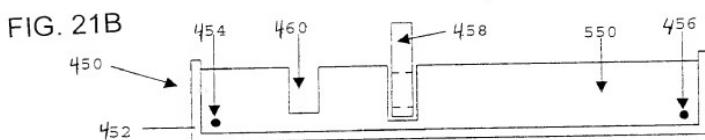
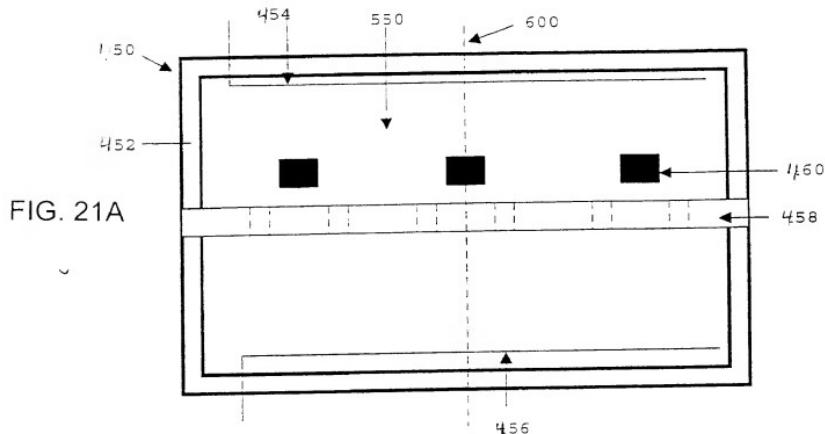


FIG. 20



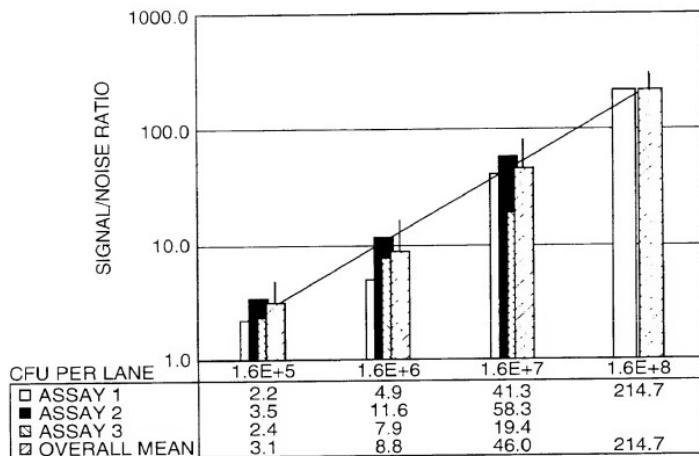
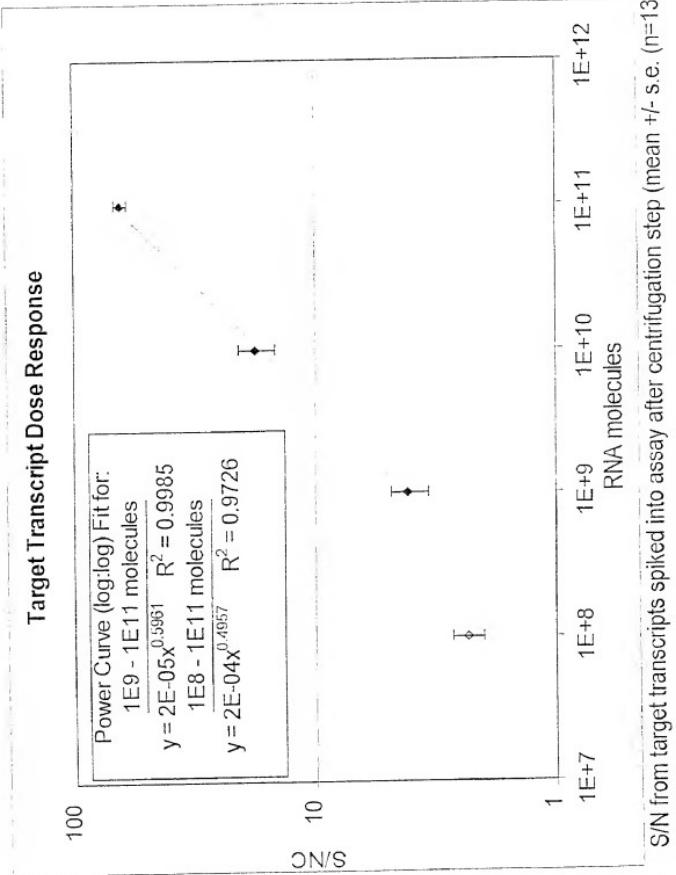


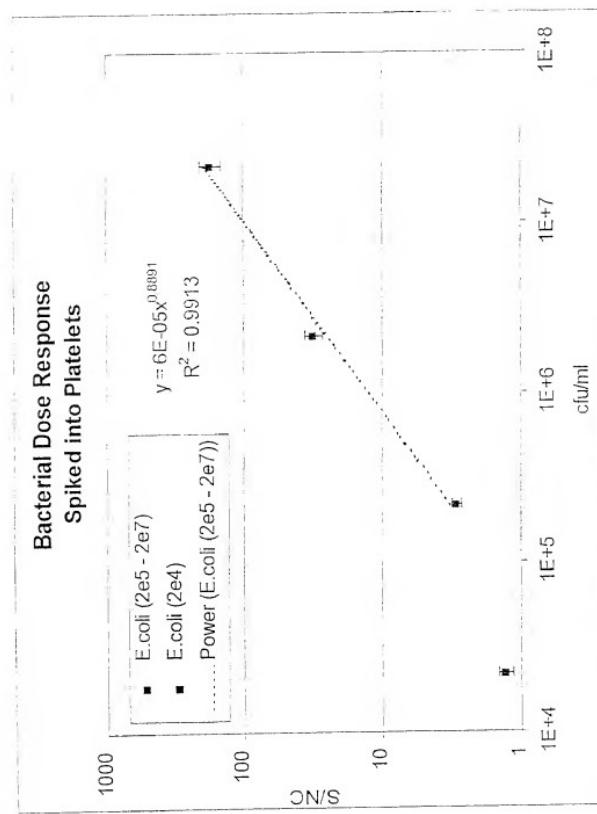
FIG. 22



S/N from target transcripts spiked into assay after centrifugation step (mean +/- s.e. (n=13))

- Copy# of 4.5S in E.coli ~1,000/cfu

FIG. 23



- S/N from *E. coli* (n=8) spiked into negative platelets, then processed according to the assay scheme (mean +/- s.e.).

FIG. 24

Assay Time

Sample Processing

Target Enrichment 2min
Rinse 2min
Lysis 6min
Cool 2min

| 12 - 15 minutes

Assay

Probe Hybridization 11min
Electrophoretic Capture 20min
Wash 5min
Detection 10min

| 45 - 50 minutes

Centrifuge samples x 1min
Uncap, pour off liquid - BIOHAZARD
Pipet Rinse Buffer
Vortex to resuspend
Centrifuge samples x 1min
Uncap, pour off liquid - BIOHAZARD

Pipet Lysis Buffer
Vortex to resuspend
Obtain NC and PC tubes

Place NC, PC and sample tubes in heater
Incubate through heat/cool cycle
5min at >100C => 2min to 45C

Pipet Hybridization Buffer
Mix by inversion several times
Incubate 10min at 45C

Pipet 50ul from each tube into cassette:
Electrophoresis for 20min

Move comb to Wash Buffer 1
Move comb to electroph. wash slot
Electrophoresis for 3min
Move comb to Conditioning Buffer
Dry comb
Pipet Sample
Load Reader
Results Displayed

FIG. 25